

For Research Use Only

# FXR1 Polyclonal antibody

Catalog Number: 13194-1-AP

Featured Product

25 Publications



## Basic Information

### Catalog Number:

13194-1-AP

### Size:

150ul, Concentration: 800 ug/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG3873

### GenBank Accession Number:

BC028983

### GeneID (NCBI):

8087

### UNIPROT ID:

P51114

### Full Name:

fragile X mental retardation, autosomal homolog 1

### Calculated MW:

621 aa, 70 kDa

### Observed MW:

70-80 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:5000-1:50000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

IF/ICC 1:200-1:800

## Applications

### Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

### Cited Applications:

WB, IHC, IF, IP, RIP

### Species Specificity:

human, mouse

### Cited Species:

human, mouse, rat, pig

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

WB : HEK-293 cells, mouse heart tissue, NIH/3T3 cells

IP : mouse skeletal muscle tissue,

IHC : human heart tissue,

IF/ICC : HeLa cells, HepG2 cells

## Background Information

Tumour necrosis factor-alpha (TNF-alpha) is a key mediator of inflammation in host defence against infection and in autoimmune disease. Its production is controlled post-transcriptionally by multiple RNA-binding proteins that interact with the TNF-alpha AU-rich element and regulate its expression; Fragile X mental retardation-related protein 1 (FXR1) is one of these. FXR1 (fragile-X-mental retardation-related protein 1) are RNA-binding proteins that have been demonstrated to impact miRNA-mediated, post-transcriptional gene regulation, and required for embryonic and postnatal development of muscle tissue. It can regulate intracellular transport and local translation of certain mRNAs. The FXR1 exists some isoforms with the MW 69 kDa and 60 kDa.

## Notable Publications

Author	Pubmed ID	Journal	Application
Chandreyee Datta	36306353	Sci Adv	WB,IP
Lance T. Denes	34707124	Nat Commun	IF
Belinda Baquero-Perez	31647415	Elife	RIP

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

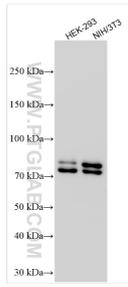
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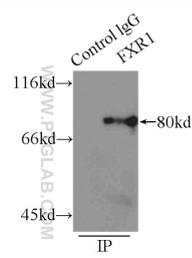
E: proteintech@ptglab.com  
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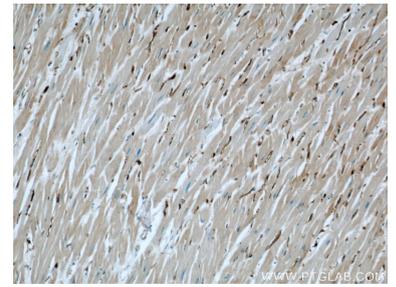
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 13194-1-AP (FXR1 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



IP result of anti-FXR1 (IP:13194-1-AP, 3ug; Detection:13194-1-AP 1:800) with mouse skeletal muscle tissue lysate 8000ug.



Immunohistochemical analysis of paraffin-embedded human heart using 13194-1-AP (FXR1 antibody) at dilution of 1:50 (under 10x lens).



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using FXR1 antibody (13194-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L).